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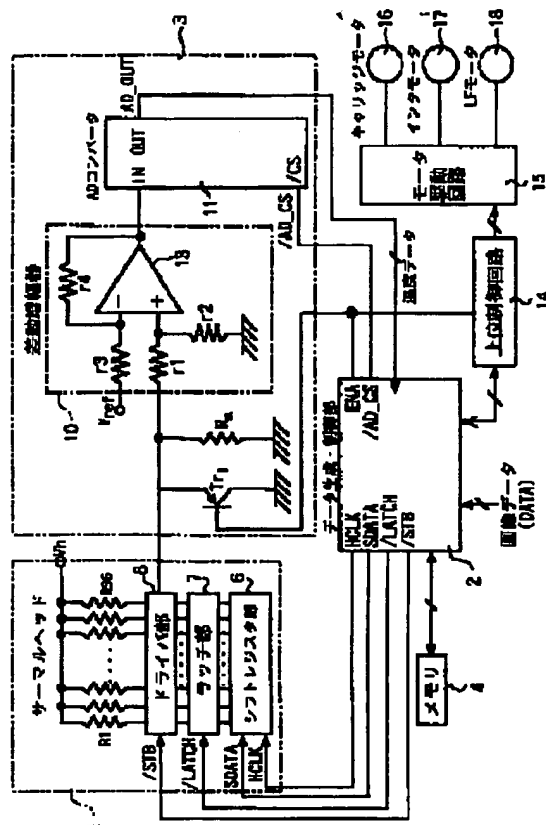
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TITLE : THERMAL PRINTER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a thermal printer capable of taking in the concept of printing efficiency to accurately obtain objective density and to prevent that the irregularity of the resistance value of a heating resistor is displayed as the irregularity of detection temp.

SOLUTION: A thermal printer is equipped with a thermal head 1 having a large number of heating resistors R1-Rg6 having characteristics changed in electric resistance value in dependence on temp., a resistance detection part 3 supplying a current to the heating resistors successively in a printing process to obtain detection values for temp. measurement and a printing data forming/ control part 2 obtaining correction values from the correction value groups of the respective heating resistors classified into a plurality of groups with a prepared predetermined temp. range to correct the detection values and estimating printing efficiency on the basis of the start temp. (corrected value) of the heating resistors in the present row obtained in the printing process and the current supply time to the heating elements in a front row to determine the current supply time to the respective heating resistors of the present row on the basis this predetermined efficiency.

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